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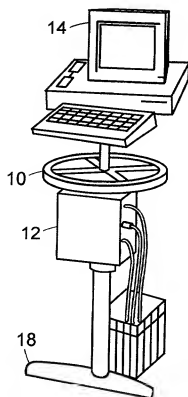


FIG. 1A

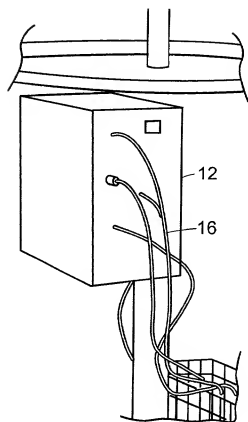


FIG. 1B

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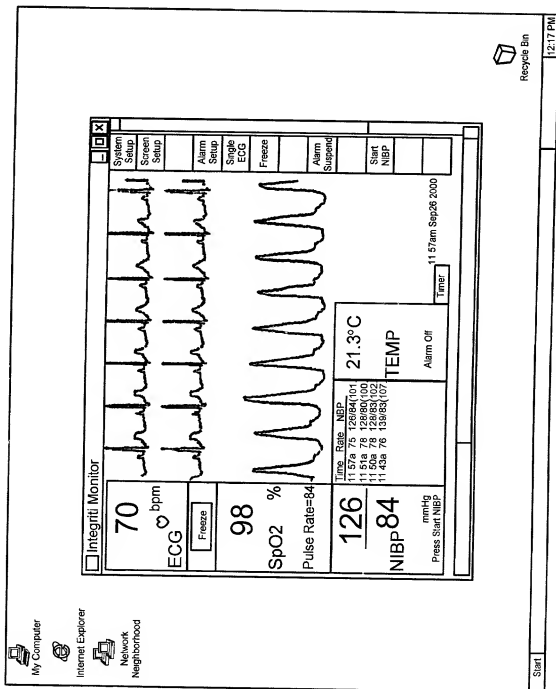


FIG. 2



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System	ECG	SpO2	NIBP	TEMP
Controls for System Setup				
Current Profile				Monitor Status
*Factory*				Profiles
Alarm Suspend Time	180	seconds		
Alarm Volume	High			
Tone Volume	6			
Heart Rate Source	AUTO			
				Color...
				Cancel
				Save

System Setup Control Popup

FIG. 3A



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System	ECG	SpO2	NIBP	TEMP
Controls for System Setup				
Current Profile				Monitor Status
<input type="text" value="*Factory*"/>				Profiles
Alarm Suspend Time	180	seconds		
Alarm Volume	180			
Tone Volume	150			
Heart Rate Source	120			
	90		Color...	
	60			
	30			
				Cancel
				Save

Alarm Suspend Pull Down Has Been Clicked On

FIG. 3B



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Controls for Screen Setup

		ECG	
		SpO2	
NIBP			TEMP
		Reserved Area	
Add	Delete	Color	Size
			Profiles
			Cancel
			Save

Screen format Control Panel

FIG. 4A

Controls for Screen Setup

		ECG	
		SpO2	
NIBP			TEMP
		Reserved Area	
Add	Delete	Color	Size
			Profiles
			Cancel
			Save

User Has Clicked on ECG

FIG. 4B

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Controls for Alarm Setup						
Parameter	Current Value	High Limit	Low Limit	Priority		
ECG	78	110	40	High		<input type="checkbox"/>
SpO2	98	OFF	85	High		<input type="checkbox"/>
NIBP	Sys 130	190	OFF	High		<input type="checkbox"/>
	Dias 85	110	OFF			
	Mean (110)	OFF	OFF			
TEMP	37.0	OFF	OFF	Medium		<input type="checkbox"/>

☒ Display Limits?
 

Close

Alarm Setup Control Panel

FIG. 5



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System	ECG	SpO2	NIBP	TEMP
Controls for ECG				
Alarm High	110			
Alarm Low	40			
Alarm Priority	High			
Size	1			mV/cm
Lead Select	II			
Filter	60Hz			
Sweep Speed	25			mm/sec
<input type="checkbox"/> Patient Paced				Color...
<input checked="" type="checkbox"/> QRS Tone	<input type="checkbox"/> Record On Alarm			Cancel
<input type="checkbox"/> Display Units				
<input checked="" type="checkbox"/> Cascade ECG				Save

ECG Popup Control Panel

FIG. 6A



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System	ECG	SpO2	NIBP	TEMP
Controls for ECG				
Alarm High	110			
Alarm Low	170			
	165			
Alarm Priority	160			
	155			
Size	150			
Lead Select	145			
	140			
Filter	135			
Sweep Speed	130			
	125			
<input type="checkbox"/> Patient Paced	120			
<input checked="" type="checkbox"/> QRS Tone	115			
	110			
<input type="checkbox"/> Display Units	105			
<input checked="" type="checkbox"/> Cascade ECG	100			
		mV/cm		
		mm/sec		
		Alarm		
			Color...	
			Cancel	
			Save	

FIG. 6B



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System	ECG	SpO <sub>2</sub>	NIBP	TEMP
Controls for Pulse Oximetry				
Alarm High		OFF		
Alarm Low		85		
Alarm Priority		High		
Average over		2		seconds
Sweep Speed		25		mm/sec
<input checked="" type="checkbox"/> Display Pulse Rate				
<input type="checkbox"/> Display Pulse Bar				
<input type="checkbox"/> Display Units				
Color...				
Cancel				
Save				

Control Popup for SpO<sub>2</sub>

FIG. 7



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System	ECG	SpO2	NIBP	TEMP
Controls for Noninvasive Blood Pressure				
Alarm Limits		High	Low	
Systolic	190		OFF	
Diastolic	110		OFF	
Mean	OFF		OFF	
Alarm Priority	High			
Displayed Values	SDM			Stat NIBPs for 5 Minutes
Auto Mode	OFF			
1st Inflation	160			Color...
<input checked="" type="checkbox"/> Display Units				Cancel
<input checked="" type="checkbox"/> Completion Tone				Save

Control Popup for NIBP

FIG. 8



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System	ECG	SpO2	NIBP	TEMP
Controls for Temperature				
Alarm High	OFF ▼			
Alarm Low	OFF ▼			
Alarm Priority	Medium ▼			
Units	Celsius ▼			
<input type="checkbox"/> Display Units				
Color...				
Cancel				
Save				

Temperature Control Panel Popup

FIG. 9



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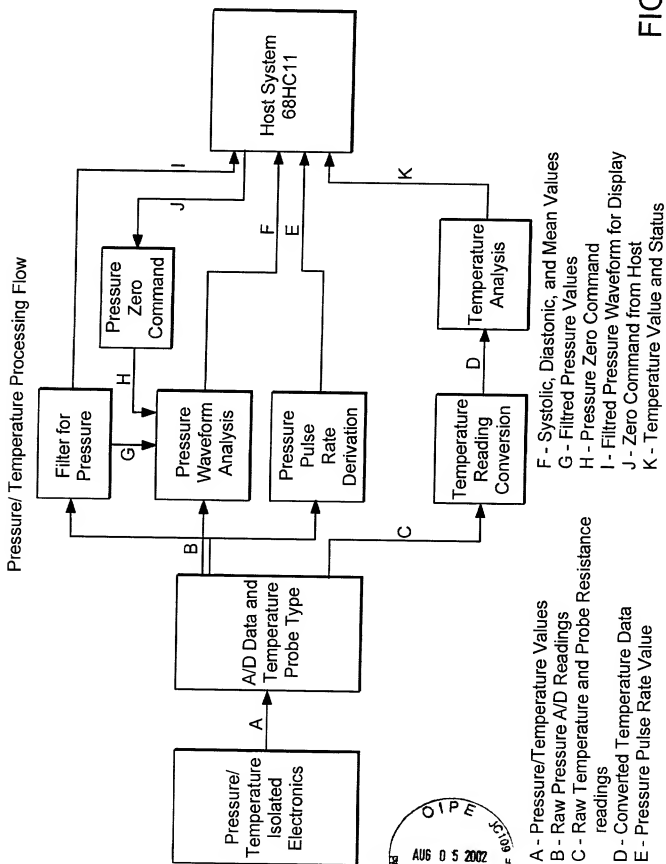
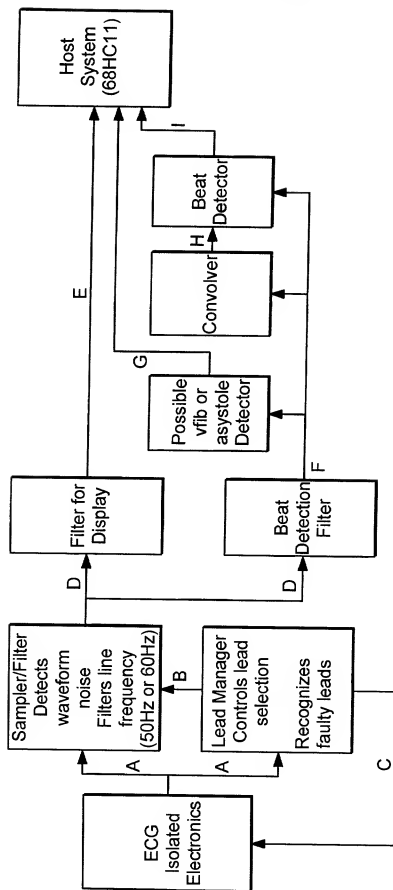


FIG. 10



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## ECG Processing Flow



- A - Raw ECG Data from A/D Converter  
 B - Lead Selection Information  
 C - Lead Selection Control Lines  
 D - Valid ECG Data  
 E - ECG Waveform Display Data  
 F - Filtered ECG Data for Beat Detection  
 G - ECG HR is 0 (possible asystole or vfib)  
 H - Beat Detection Signal with QRS information  
 I - ECG HR Value

FIG. 11



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**SMS Patient Data Transfer** [X]

Temperature °F	<input type="text" value="98.6"/>	Resp Rate (0-50)rpm	<input type="text" value=""/>
Pulse Rate(bpm)	<input type="text" value="78"/>	Height (0-84)in	<input type="text" value=""/>
O2 Sat (%)	<input type="text" value="98"/>	Weight (0-300)lbs	<input type="text" value=""/>
Systolic BP (mmHg)	<input type="text" value="130"/>	Pain Scale (0-10)	<input type="text" value=""/>
Diastolic BP	<input type="text" value="85"/>	Violence Scale (0-60)	<input type="text" value=""/>
<input type="button" value="Store Patient Vitals"/>		<input type="button" value="Refresh Values"/>	<input type="button" value="Cancel"/>

FIG. 12



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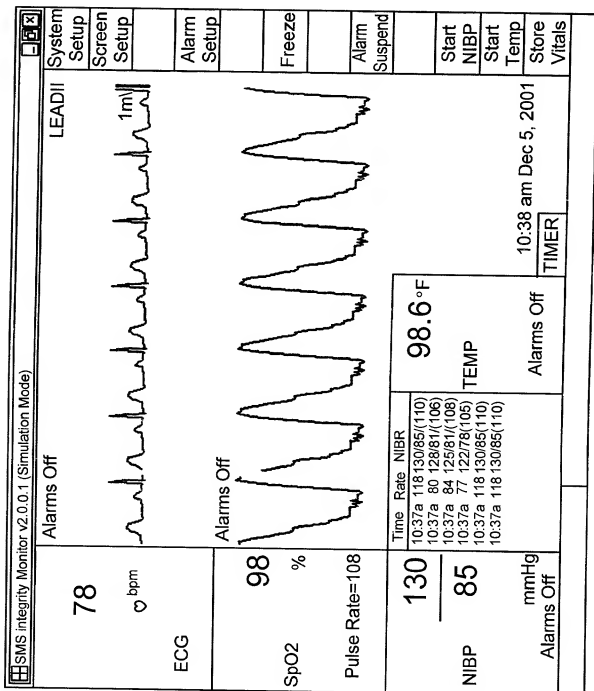


FIG. 13

